

JAN 30 2006

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	14
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Complete if Known

Application Number	00/069,886 10-604208
Filing Date	7/1/03 1 Jul 03
First Named Inventor	Geoff Downton
Group Art Unit	3672
Examiner Name	M Smith
Attorney Docket Number	92.1004 CIP

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (if known)			
MS		712,887		Wyczynski	11/04/1902	
		1,971,480		Earley	08/28/1934	
		2,319,238		Isaacks	05/18/1943	
		2,345,768		Miller	04/04/1944	
		2,585,207		Zubén	02/12/1952	
		2,687,282		Sanders	08/24/1954	
		2,694,549		James	11/16/1954	
		2,857,141		Carpenter	10/21/1958	
		2,878,992		Lindsay	03/10/1959	
		3,051,255		Deely	08/28/1962	
		3,062,303		Schultz	11/08/1962	
		3,068,946		Frisby et al	12/18/1962	
		3,092,188		Farrs	08/04/1963	
		3,098,534		Carr et al	07/23/1963	
		3,104,728		Davis	09/24/1963	
		2,712,434		Giles et al	07/05/1955	
		3,123,162		Rowley	03/03/1964	
		3,129,776		Mann	04/21/1964	
		3,225,843		Orloff et al	12/28/1965	
MS		3,305,771		Arps	02/21/1967	

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Matthew Smith

Date Considered

18 May 06

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Sheet 3 of 14

Application Number	09/000,686-10 604208
Filing Date	7/20/01 1 Jul 03
First Named Inventor	Geoff Downton
Group Art Unit	3672
Examiner Name	M Smith
Attorney Docket Number	92.1004 CIP

Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Claims Appear
		Number	Kind Code [§] (if known)			
MS		4,080,115		Sims et al	03/21/1978	
		4,152,545		Glibreath Jr et al	05/01/1979	
		4,184,553		Jones Jr et al	01/22/1980	
		4,185,704		Nixon Jr.	01/29/1980	
		4,190,123		Roddy	02/26/1980	
		4,211,292		Evans	07/08/1980	
		4,220,213		Green et al	12/30/1980	
		4,270,819		Bese	06/02/1981	
		4,281,773		Evans	09/29/1981	
		4,305,474		Farris et al	12/15/1981	
		4,351,037		Scherbatskoy	09/21/1982	
		4,357,834		Chung	11/02/1982	
		4,388,974		Jones Jr et al	06/21/1983	
		4,394,881		Shirley	07/28/1983	
		4,407,377		Russell	10/04/1983	
		4,416,339		Baker et al	11/22/1983	
		4,428,441		Dellinger	01/31/1984	
		4,449,595		Holbert	05/22/1984	
		4,458,080		Holbert	06/26/1984	
MS		4,461,359		Jones Jr et al	07/24/1984	

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18 May 06

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		Number	Kind Code* (if known)			
MS		4,485,147		Feenstra	08/14/1984	
		4,491,187		Russell	01/01/1985	
		4,492,278		Kamp	01/08/1985	
		4,515,225		Datley	06/07/1985	
		4,523,652		Schuh	08/18/1985	
		4,560,013		Beimgraben	12/24/1985	
		4,572,305		Swietlik	02/25/1986	
		4,577,701		Dellinger et al	03/25/1986	
		4,635,738		Shirley	01/13/1987	
		4,637,479		Leising	01/20/1987	
		4,638,873		Welborn	01/27/1987	
		4,655,289		Schoeffler	04/07/1987	
		4,662,458		Ho	05/05/1987	
		4,687,751		Geczy et al	05/28/1987	
		4,683,956		Russell	08/04/1987	
		4,690,229		Raney	09/01/1987	
		4,697,651		Dellinger	10/06/1987	
		4,699,224		Burton	10/13/1987	
		4,714,118		Baker et al	12/22/1987	
MS		4,732,223		Schoeffler et al	03/22/1988	

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Examiner Signature	<i>Matthew Smith</i>	Date Considered	18 May 06
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
Application Number				091009586 10 604208	
Filing Date				7/1/2003 9 1 Jul 03	
First Named Inventor				Geoff Downton	
Group Art Unit				3672	
Examiner Name				M Smith	
Attorney Docket Number				82.1004 CIP	
Sheet	7	of	14		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Apparent
		Number	Kind Code* (if known)			
MS		5,180,925		Dailey et al	11/03/1992	
		5,183,521		Pustanyk et al	11/17/1992	
		5,181,578		Askew et al	01/26/1993	
		5,188,284		du Chaffaut	02/16/1993	
		5,213,168		Warren et al	05/25/1993	
		5,220,963		Patton	08/22/1993	
		5,224,558		Lee	07/08/1993	
		5,265,682		Russell et al	11/30/1993	
		5,265,687		Gray	11/30/1993	
		5,305,830		Wiltrisch	04/28/1994	
		5,305,838		Pauc	04/28/1994	
		5,311,952		Edlison et al	05/17/1994	
		5,311,953		Walker	05/17/1994	
		5,316,093		Morn et al	05/31/1994	
		5,325,714		Lende et al	07/05/1994	
		5,332,048		Underwood et al	07/26/1994	
		5,341,866		Patton	08/30/1994	
		5,343,986		Wenzel et al	09/08/1994	
		5,375,098		Malone et al	12/20/1994	
MS		5,390,748		Goldman	02/21/1995	

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		Number	Kind Code* (if known)			
MS		5,410,303		Comeau et al	04/25/1995	
		5,421,420		Malone et al	08/08/1995	
		5,487,834		Hughes et al	11/21/1995	
		5,484,029		Eddison	01/16/1996	
		5,507,353		Pavone	04/16/1996	
		5,520,255		Barr et al	05/28/1996	
		5,520,258		Eddison	05/28/1996	
		5,529,133		Eddison	08/25/1996	
		5,553,878		Barr et al	09/10/1996	
		5,553,879		Thorp	08/10/1996	
		5,582,259		Barr	12/10/1996	
		5,594,343		Clark et al	01/14/1997	
		5,602,541		Comeau et al	02/11/1997	
		5,603,385		Colebrook	02/18/1997	
		5,617,926		Eddison et al	04/08/1997	
		5,673,763		Thorp	10/07/1997	
		5,685,379		Barr et al	11/11/1997	
		5,695,015		Barr et al	12/09/1997	
		5,708,905		Barr	01/13/1998	
MS		5,738,178		Williams et al	04/14/1998	

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Examiner Signature	<i>Matthew Smith</i>	Date Considered	18 May 06
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				Application Number	621005,606 10 604208
				Filing Date	7/1/2001 1 Jul 03
				First Named Inventor	Geoff Downton
				Group Art Unit	3672
				Examiner Name	M Smith
Sheet	11	of	14	Attorney Docket Number	92.1004 CIP

[illegible]

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴					
MS		GB	2 172 325	A	Cambridge Radiation	09/17/1988		
		GB	2 177 738	A	Cambridge Radiation	01/28/1987		
		GB	2 183 272	A	Amoco Corp	08/03/1987		
		GB	2 183 694	A	NL Petroleum	06/10/1987		
		GB	2 248 151	A	Camco	01/22/1992		
		GB	2 257 182	A	Camco	01/08/1993		
		GB	2 258 316	A	Camco	03/10/1993		
		GB	2 285,651	A	Camco	07/19/1995		
		GB	2 289 907	A	Camco	12/06/1995		
MS		GB	2 289 908	A	Camco	12/08/1995		

Examiner Signature	Matthew Smith	Date Considered	18 May 06
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				Group Art Unit	3672
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Sheet	13	of	14		

[illegible]

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		Office³	Number⁴					
MS		GB	2 312 805	A	Camco	11/12/1997		
		GB	2 322 651	A	Camco	09/02/1998		
		GB	2 325 018	A	Camco	11/11/1998		
		GB	2 328 486	A	Dresser	02/24/1999		
		GB	2 335 450	A	Baker Hughes	09/22/1999		
		GB	2 338 171	A	Dresser	10/13/1999		
		GB	2 339 222	A	Anderson	01/19/2000		
		GB	2 339 223	A	Anderson	01/19/2000		
		GB	2 340 153	A	Institut Français	02/18/2000		
MS		GB	2 342 935	A	Pilot Drilling	04/28/2000		

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				First Named Inventor	Geoff Downton
				Group Art Unit	3672
				Examiner Name	M Smith
Sheet	14	of	14	Attorney Docket Number	92.1004 C1P

[illegible][illegible]

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